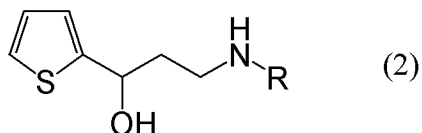
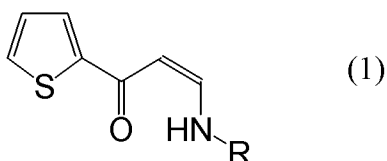


### AMENDMENTS TO THE CLAIMS

1. (Currently amended) A process for producing an *N*-monoalkyl-3-hydroxy-3-(2-thienyl)propanamine represented by General Formula (2):



wherein R is C<sub>1-4</sub> alkyl, comprising the step of reducing a (*Z*)-*N*-monoalkyl-3-oxo-3-(2-thienyl)propenamine, in the presence of a carboxylic acid, represented by General Formula (1):

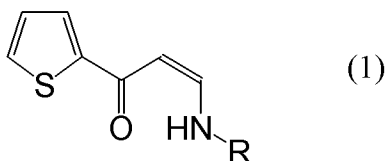


wherein R is as defined above.

2. (Original) The process according to Claim 1, wherein the (*Z*)-*N*-monoalkyl-3-oxo-3-(2-thienyl)propenamine is reduced using sodium borohydride or sodium cyanoborohydride.

3. (Cancelled)

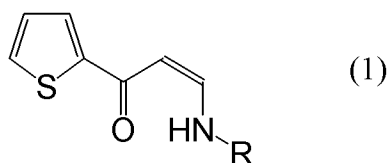
4. (Original) A (*Z*)-*N*-monoalkyl-3-oxo-3-(2-thienyl)propenamine represented by General Formula (1):



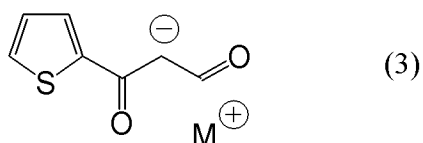
wherein R is C<sub>1-4</sub> alkyl.

5. (Original) The (*Z*)-*N*-monoalkyl-3-oxo-3-(2-thienyl)propenamine according to Claim 4, wherein R in General Formula (1) is methyl.

6. (Original) A process for producing a (*Z*)-*N*-monoalkyl-3-oxo-3-(2-thienyl)propenamine represented by General Formula (1):



wherein R is C<sub>1-4</sub> alkyl, comprising the step of reacting an alkali metal salt of β-oxo-β-(2-thienyl)propanal represented by General Formula (3):

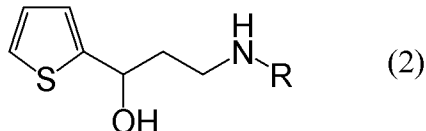


wherein M is an alkali metal atom, with a monoalkylamine compound represented by General Formula (4):



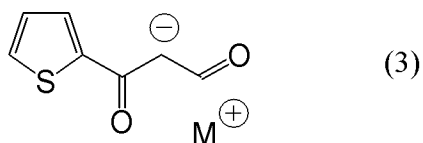
wherein R is as defined above.

7. (Currently amended) A process for producing an *N*-monoalkyl-3-hydroxy-3-(2-thienyl)propanamine represented by General Formula (2):



wherein R is C<sub>1-4</sub> alkyl, comprising the steps of:

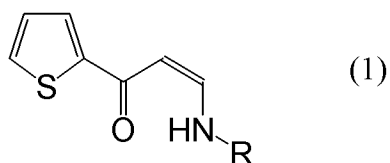
reacting an alkali metal salt of β-oxo-β-(2-thienyl)propanal represented by General Formula (3):



wherein M is an alkali metal atom, with a monoalkylamine compound represented by General Formula (4):



wherein R is as defined above, to give a (*Z*)-*N*-monoalkyl-3-oxo-3-(2-thienyl)propenamine represented by General Formula (1):



wherein R is as defined above; and

reducing the (Z)-N-monoalkyl-3-oxo-3-(2-thienyl)propenamine, in the presence of a carboxylic acid.

8. (Original) The process according to Claim 7, wherein the (Z)-N-monoalkyl-3-oxo-3-(2-thienyl)propenamine is reduced using sodium borohydride or sodium cyanoborohydride.
9. (Cancelled)